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DATE MAILED: 02/02/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/663,575	09/16/2003	Vikas K. Agrawał	TI-35282	2989
23494	7590 02/02/2005		EXAMINER	
_	TRUMENTS INCOR	NGUYEN, VAN THU T		
DALLAS, TX	474, M/S 3999 K 75265		ART UNIT PAPER NUMBER	
•			2824	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/663,575	AGRAWAL ET AL	<u>.</u>			
Office Action Summary	Examiner	Art Unit				
	VanThu Nguyen	2824				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be timwithin the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed will be considered timel the mailing date of this co (35 U.S.C. § 133).				
Status			•			
1) Responsive to communication(s) filed on						
·						
3) Since this application is in condition for allowan	ce except for formal matters, pro	secution as to the	e merits is			
closed in accordance with the practice under E.	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4) Claim(s) <u>1-27</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>1-12</u> is/are allowed.						
6)⊠ Claim(s) <u>13</u> is/are rejected.						
7) Claim(s) <u>14-27</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner	:					
10)⊠ The drawing(s) filed on <u>16 September 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the d	lrawing(s) be held in abeyance. See	37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction	•		, ,			
11) The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PT	O-152.			
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 	have been received.	,,,,,				
2. Certified copies of the priority documents have been received in Application No						
·	3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
See the attached detailed Office action for a list c	of the certified copies not received	u.				
Attachment(s)						
Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413)				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 09/16/2003. 	5) Notice of Informal Pa	atent Application (PTC	-152)			
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DETAILED ACTION

1. Claims 1-27 are pending.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claim 13 is rejected under 35 U.S.C. 102(e) as being anticipated by Ikeda (U.S. Patent No. 6,631,094).

Regarding claim 1, Ikeda discloses, in FIG. 1, a memory array (22) comprising a plurality of memory cells, a memory control circuit (all excluding 22) operable to generate one or more control signals (rdpz, wrpz) for initiation of memory operations associated with the memory array, the control circuit comprising a cycle ready circuit (25) operable to generate a cycle ready strobe signal (ealz) for initiating a next memory operation after an initial memory operation

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based on identification of a completion of the initial memory operation (rasz). (See column 5, lines 1-12, 38-58)

Allowable Subject Matter

- Claims 1-12 are allowed.
- 5. Claims 14-27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. The following is a statement of reasons for the indication of allowable subject matter:

The prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Ikeda, Hamanoto et al., taken individually or in combination, do not teach the claimed invention having the following limitations, in combination with the remaining claimed limitations:

wherein the cycle ready circuit is operable to generate a control signal for initiation of a second memory operation a predetermined period of time after detection of completion of a first memory operation, wherein the predetermined period of time corresponds to an amount of time needed for a true and complement bit line associated with a memory cell associated with the second memory operation to substantially equalize and reach a predetermined voltage level (as in claim 1); or

wherein the cycle ready circuit is operable to generate the cycle ready strobe signal to initiate the next memory operation a predetermined period of time after completion of the initial memory operation is identified, wherein the predetermined period of time is sufficient to ensure that a true and complement bit line associated with a

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selected memory cell in the memory array have substantially equalized and reached a predetermined value (as in claim 14).

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VanThu Nguyen whose telephone number is (571) 272-1881. The examiner can normally be reached on Monday-Friday, 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (571) 272-1869. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 1, 2005

VanThu Nguyen Primary Examiner Art Unit 2824